



State of New Jersey

CHRIS CHRISTIE
Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BOB MARTIN
Commissioner

KIM GUADAGNO
Lt. Governor

Mail Code – 401-02B
Division of Water Quality
Bureau of Surface Water Permitting
P.O. Box 420 – 401 E State St
Trenton, NJ 08625-0420
Phone: (609) 292-4860 / Fax: (609) 984-7938

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
7003 0500 0000 2976 6988
July 16, 2013

David Erfert, Refinery Manager
Phillips 66 Company
1400 Park Avenue
Linden, NJ 07036

Re: Final Surface Water Minor Modification Permit Action
Category: B - Industrial Wastewater
NJPDES Permit No. NJ0001511
PHILLIPS 66 CO
Linden City, Union County

Dear Mr. Erfert:

Enclosed is a **final** New Jersey Pollutant Discharge Elimination System (NJPDES) permit action identified above which has been issued in accordance with N.J.A.C. 7:14A. This action modifies the following permit conditions:

Incorporation of a comment at Part III, Table III-A-1 for the group of outfall consisting of DSN 003A, DSN 004A, and DSN 005A. This comment, "Grab sampling shall be conducted during dry weather," was inadvertently not included in the final permit. Incorporation of this comment is discussed in the Response to Comments document of the final permit under Item 10. This minor modification permit action incorporates this comment.

This permit package contains those sections of the permit that are directly affected by this permit action (i.e Part III).

Questions or comments regarding the final action should be addressed to Robert Hall at (609) 292-4860.

Sincerely,

Melisse Carasia Auriti, Section Chief
Bureau of Surface Water Permitting

Enclosures
cc: Permit Distribution List
Masterfile #: 962; PI #: 46318



NEW JERSEY POLLUTANT DISCHARGE ELIMINATION SYSTEM

The New Jersey Department of Environmental Protection hereby grants you a NJPDES permit for the facility/activity named in this document. This permit is the regulatory mechanism used by the Department to help ensure your discharge will not harm the environment. By complying with the terms and conditions specified, you are assuming an important role in protecting New Jersey's valuable water resources. Your acceptance of this permit is an agreement to conform with all of its provisions when constructing, installing, modifying, or operating any facility for the collection, treatment, or discharge of pollutants to waters of the state. If you have any questions about this document, please feel free to contact the Department representative listed in the permit cover letter. Your cooperation in helping us protect and safeguard our state's environment is appreciated.

Permit Number: NJ0001511
Final: Surface Water Minor Mod Permit Action

Permittee:

Phillips 66 Company
 1400 Park Ave
 Linden, NJ 07036

Co-Permittees:

ExxonMobil Corp.	Infineum USA LP
P.O. Box 728	1900 E. Linden Ave
Linden, NJ 07036	Linden, NJ 07036

Property Owner:

Phillips 66 Company
 1400 Park Ave
 Linden, NJ 07036

Location Of Activity:

Phillips 66 Company
 1400 Park Ave
 Linden, Union County

Authorization(s) Covered Under This Approval	Issuance Date	Effective Date	Expiration Date
B - Industrial Wastewater - Renewal	07/11/2013	10/01/2013	09/30/2018
B - Industrial Wastewater – Minor Mod (Addition of Part III for DSN 003A, DSN 004A, and DSN 005A)	07/16/2013	10/01/2013	09/30/2018

By Authority of:

Commissioner's Office

DEP AUTHORIZATION
Melisse Carasia Auriti, Section Chief
Bureau of Surface Water Permitting
Division of Water Quality

(Terms, conditions and provisions attached hereto)

Division of Water Quality

PART III

LIMITS AND MONITORING REQUIREMENTS

MONITORED LOCATION GROUP: Cooling Water Ditches

Monitored Location Group Members

003A SW Outfall DSN 003A, 004A SW Outfall DSN 004A, 005A SW Outfall DSN 005A

Surface Water DMR Reporting Requirements:

Submit a Monthly DMR: within twenty-five days after the end of every month beginning from the effective date of the permit (EDP).

Comments:

Grab sampling shall be conducted during dry weather.

Table III - A - 1: Surface Water DMR Limits and Monitoring Requirements

PHASE: Final

PHASE Start Date: 10/01/2013

PHASE End Date:

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Flow, In Conduit or Thru Treatment Plant	Effluent Gross Value	REPORT Monthly Average	REPORT Daily Maximum	GPD	*****	*****	*****	*****	1/Month	Calculated
January thru December	QL	***	***		***	***	***			
pH	Effluent Gross Value	*****	*****	*****	REPORT Daily Minimum	*****	REPORT Daily Maximum	SU	1/Month	Grab
January thru December	QL	***	***		***	***	***			
Solids, Total Suspended	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Month	Grab
January thru December	QL	***	***		***	***	***			
IC25 Statre 7day Chr Mysid Bahia	Effluent Gross Value	*****	*****	*****	REPORT Report Per Minimum	*****	*****	%EFFL	1/6 Months	Composite
January thru December	QL	***	***		***	***	***			
Chlorine Produced Oxidants	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Month	Grab
January thru December	RQL	***	***		***	0.1	0.1			

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Comments:

Grab sampling shall be conducted during dry weather.

Table III - A - 1: Surface Water DMR Limits and Monitoring Requirements**PHASE:**Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Temperature, oC January thru December	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	DEG.C	1/Month	Grab
	QL	***	***		***	***	***			
Petroleum Hydrocarbons January thru December	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Month	Grab
	QL	***	***		***	***	***			
Carbon, Tot Organic (TOC) January thru December	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Month	Grab
	QL	***	***		***	***	***			
Nickel, Total Recoverable January thru December	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	UG/L	1/Month	Grab
	RQL	***	***		***	10	10			
Zinc, Total Recoverable January thru December	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	UG/L	1/Month	Grab
	RQL	***	***		***	30	30			
Lead, Total Recoverable January thru December	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	UG/L	1/Month	Grab
	RQL	***	***		***	10	10			
Copper, Total Recoverable January thru December	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	UG/L	1/Month	Grab
	RQL	***	***		***	10	10			

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Submit a Monthly DMR: within twenty-five days after the end of every month beginning from the effective date of the permit (EDP).

Comments:

Grab sampling shall be conducted during dry weather.

Table III - A - 1: Surface Water DMR Limits and Monitoring Requirements**PHASE:**Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Mercury Total Recoverable	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	UG/L	1/Month	Grab
	RQL	***	***		***	1.0	1.0			
Bis(2-ethylhexyl) phthalate	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	UG/L	1/Quarter	Grab
	RQL	***	***		***	30	30			
Benzene	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	UG/L	1/Month	Grab
	RQL	***	***		***	7	7			

Surface Water WCR - Semi Annual Reporting Requirements:

Submit a Semi-Annual WCR: within twenty-five days after the end of every 6 month monitoring period beginning from the effective date of the permit (EDP).

Comments:

Grab sampling shall be conducted during dry weather.

Table III - A - 2: Surface Water WCR - Semi Annual Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Manganese, Total Recoverable	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Chromium Trivalent (as Cr) Total Recov.	Effluent Gross Value	REPORT RQL = 8	UG/L	Grab	January thru December
Cyanide, Total (as CN)	Effluent Gross Value	REPORT RQL = 40	UG/L	Grab	January thru December
Arsenic, Total Recoverable (as As)	Effluent Gross Value	REPORT RQL = 8	UG/L	Grab	January thru December
Selenium, Total Recoverable	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December
Thallium, Total Recoverable	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December
Beryllium, Total Recoverable (as Be)	Effluent Gross Value	REPORT RQL = 20	UG/L	Grab	January thru December
Barium, Total Recoverable (as Ba)	Effluent Gross Value	REPORT RQL = 20	UG/L	Grab	January thru December
Silver, Total Recoverable	Effluent Gross Value	REPORT RQL = 2	UG/L	Grab	January thru December
Cadmium, Total Recoverable	Effluent Gross Value	REPORT RQL = 4	UG/L	Grab	January thru December
Chromium, Total Recoverable	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December
Chromium, Hexavalent Dissolved (as Cr)	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Antimony, Total Recoverable	Effluent Gross Value	REPORT RQL = 20	UG/L	Grab	January thru December
Acenaphthylene	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December
Acenaphthene	Effluent Gross Value	REPORT RQL = 9.5	UG/L	Grab	January thru December

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Comments:

Grab sampling shall be conducted during dry weather.

Table III - A - 2: Surface Water WCR - Semi Annual Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Anthracene	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December
Benzo(b)fluoranthene (3,4-benzo)	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Benzo(k)fluoranthene	Effluent Gross Value	REPORT RQL = 20	UG/L	Grab	January thru December
Benzo(a)pyrene	Effluent Gross Value	REPORT RQL = 20	UG/L	Grab	January thru December
Bis(2-chloroethyl) ether	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December
Bis(2-chloroethoxy) methane	Effluent Gross Value	REPORT RQL = 26.5	UG/L	Grab	January thru December
Bis (2-chloroiso- propyl) ether	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December
Butyl benzyl phthalate	Effluent Gross Value	REPORT RQL = 20	UG/L	Grab	January thru December
Chrysene	Effluent Gross Value	REPORT RQL = 20	UG/L	Grab	January thru December
Diethyl phthalate	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December
Dimethyl phthalate	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December
1,2-Diphenyl- hydrazine	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Fluoranthene	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December
Fluorene	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December
Hexachlorocyclo- pentadiene	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December

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Comments:

Grab sampling shall be conducted during dry weather.

Table III - A - 2: Surface Water WCR - Semi Annual Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Hexachloroethane	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December
Indeno(1,2,3-cd)-pyrene	Effluent Gross Value	REPORT RQL = 20	UG/L	Grab	January thru December
Isophorone	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December
N-nitrosodi-n-propylamine	Effluent Gross Value	REPORT RQL = 20	UG/L	Grab	January thru December
N-nitrosodiphenyl-amine	Effluent Gross Value	REPORT RQL = 20	UG/L	Grab	January thru December
N-nitrosodimethyl-amine	Effluent Gross Value	REPORT RQL = 20	UG/L	Grab	January thru December
Nitrobenzene	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December
Phenanthrene	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December
Pyrene	Effluent Gross Value	REPORT RQL = 20	UG/L	Grab	January thru December
Benzo(ghi)perylene	Effluent Gross Value	REPORT RQL = 20	UG/L	Grab	January thru December
Benzo(a)anthracene	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December
1,2-Dichlorobenzene	Effluent Gross Value	REPORT RQL = 9	UG/L	Grab	January thru December
1,2,4-Trichloro-benzene	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December
Dibenzo(a,h)anthracene	Effluent Gross Value	REPORT RQL = 20	UG/L	Grab	January thru December
1,3-Dichlorobenzene	Effluent Gross Value	REPORT RQL = 9	UG/L	Grab	January thru December

Surface Water WCR - Semi Annual Reporting Requirements:

Submit a Semi-Annual WCR: within twenty-five days after the end of every 6 month monitoring period beginning from the effective date of the permit (EDP).

Comments:

Grab sampling shall be conducted during dry weather.

Table III - A - 2: Surface Water WCR - Semi Annual Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
1,4-Dichlorobenzene	Effluent Gross Value	REPORT RQL = 20	UG/L	Grab	January thru December
2-Chloronaphthalene	Effluent Gross Value	REPORT RQL = 9.5	UG/L	Grab	January thru December
Di-n-octyl Phthalate	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
2,4-Dinitrotoluene	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December
2,6-Dinitrotoluene	Effluent Gross Value	REPORT RQL = 9.5	UG/L	Grab	January thru December
3,3'-Dichloro-benzidine	Effluent Gross Value	REPORT RQL = 60	UG/L	Grab	January thru December
4-Bromophenyl phenyl ether	Effluent Gross Value	REPORT RQL = 9.5	UG/L	Grab	January thru December
Naphthalene	Effluent Gross Value	REPORT RQL = 8	UG/L	Grab	January thru December
Bis(2-ethylhexyl) phthalate	Effluent Gross Value	REPORT RQL = 30	UG/L	Grab	January thru December
Di-n-butyl phthalate	Effluent Gross Value	REPORT RQL = 20	UG/L	Grab	January thru December
Benzidine	Effluent Gross Value	REPORT RQL = 50	UG/L	Grab	January thru December
Malathion	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Demeton	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Hexachlorobenzene	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December
Hexachlorobutadiene	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December

Surface Water WCR - Semi Annual Reporting Requirements:

Submit a Semi-Annual WCR: within twenty-five days after the end of every 6 month monitoring period beginning from the effective date of the permit (EDP).

Comments:

Grab sampling shall be conducted during dry weather.

Table III - A - 2: Surface Water WCR - Semi Annual Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Mirex	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
1,3-Dichloropropene	Effluent Gross Value	REPORT RQL = 7	UG/L	Grab	January thru December
1,2,4,5-Tetrachloro-benzene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
N-nitrosodiethyl-amine	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
N-nitrosopyrrolidine	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Carbon Tetrachloride	Effluent Gross Value	REPORT RQL = 6	UG/L	Grab	January thru December
1,2-Dichloroethane	Effluent Gross Value	REPORT RQL = 3	UG/L	Grab	January thru December
Bromoform	Effluent Gross Value	REPORT RQL = 8	UG/L	Grab	January thru December
Chloroform	Effluent Gross Value	REPORT RQL = 5	UG/L	Grab	January thru December
Toluene	Effluent Gross Value	REPORT RQL = 6	UG/L	Grab	January thru December
Acrolein	Effluent Gross Value	REPORT RQL = 50	UG/L	Grab	January thru December
Acrylonitrile	Effluent Gross Value	REPORT RQL = 50	UG/L	Grab	January thru December
Chlorobenzene	Effluent Gross Value	REPORT RQL = 6	UG/L	Grab	January thru December
Chlorodibromomethane	Effluent Gross Value	REPORT RQL = 6	UG/L	Grab	January thru December
Ethylbenzene	Effluent Gross Value	REPORT RQL = 6	UG/L	Grab	January thru December

Surface Water WCR - Semi Annual Reporting Requirements:

Submit a Semi-Annual WCR: within twenty-five days after the end of every 6 month monitoring period beginning from the effective date of the permit (EDP).

Comments:

Grab sampling shall be conducted during dry weather.

Table III - A - 2: Surface Water WCR - Semi Annual Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Methyl Bromide	Effluent Gross Value	REPORT RQL = 9	UG/L	Grab	January thru December
Methyl Chloride	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December
Methylene Chloride	Effluent Gross Value	REPORT RQL = 6	UG/L	Grab	January thru December
Tetrachloroethylene	Effluent Gross Value	REPORT RQL = 9	UG/L	Grab	January thru December
Trichlorofluoro-methane	Effluent Gross Value	REPORT RQL = 5	UG/L	Grab	January thru December
1,1-Dichloroethane	Effluent Gross Value	REPORT RQL = 23.5	UG/L	Grab	January thru December
1,1-Dichloroethylene	Effluent Gross Value	REPORT RQL = 6	UG/L	Grab	January thru December
1,1,1-Trichloro-ethane	Effluent Gross Value	REPORT RQL = 6	UG/L	Grab	January thru December
1,1,2-Trichloro-ethane	Effluent Gross Value	REPORT RQL = 6	UG/L	Grab	January thru December
1,1,2,2-Tetrachloro-ethane	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December
1,2-Dichloropropane	Effluent Gross Value	REPORT RQL = 5	UG/L	Grab	January thru December
1,2-trans-Dichloro-ethylene	Effluent Gross Value	REPORT RQL = 4	UG/L	Grab	January thru December
2-Chloroethyl Vinyl Ether (Mixed)	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Bromodichloromethane	Effluent Gross Value	REPORT RQL = 5	UG/L	Grab	January thru December
Vinyl Chloride	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December

Surface Water WCR - Semi Annual Reporting Requirements:

Submit a Semi-Annual WCR: within twenty-five days after the end of every 6 month monitoring period beginning from the effective date of the permit (EDP).

Comments:

Grab sampling shall be conducted during dry weather.

Table III - A - 2: Surface Water WCR - Semi Annual Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Trichloroethylene	Effluent Gross Value	REPORT RQL = 5	UG/L	Grab	January thru December
Methoxychlor	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
N-Nitrosodi- n-butylamine	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Chloroethane	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Parachloro-m- cresol	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Parathion	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Phenols	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
2,4,5-Trichloro- phenol	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Delta BHC, Total (ug/l)	Effluent Gross Value	REPORT RQL = 0.02	UG/L	Grab	January thru December
Endosulfan Sulfate	Effluent Gross Value	REPORT RQL = 0.08	UG/L	Grab	January thru December
Beta Endosulfan	Effluent Gross Value	REPORT RQL = 0.04	UG/L	Grab	January thru December
Alpha Endosulfan	Effluent Gross Value	REPORT RQL = 0.02	UG/L	Grab	January thru December
Endrin Aldehyde	Effluent Gross Value	REPORT RQL = 0.1	UG/L	Grab	January thru December
2,3,7,8-Tetrachloro- dibenzo-p-dioxin	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
4,4'-DDT(p,p'-DDT)	Effluent Gross Value	REPORT RQL = 0.06	UG/L	Grab	January thru December

Surface Water WCR - Semi Annual Reporting Requirements:

Submit a Semi-Annual WCR: within twenty-five days after the end of every 6 month monitoring period beginning from the effective date of the permit (EDP).

Comments:

Grab sampling shall be conducted during dry weather.

Table III - A - 2: Surface Water WCR - Semi Annual Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
4,4'-DDD(p,p'-DDD)	Effluent Gross Value	REPORT RQL = 0.04	UG/L	Grab	January thru December
4,4'-DDE(p,p'-DDE)	Effluent Gross Value	REPORT RQL = 0.04	UG/L	Grab	January thru December
Aldrin	Effluent Gross Value	REPORT RQL = 0.04	UG/L	Grab	January thru December
Alpha BHC	Effluent Gross Value	REPORT RQL = 0.02	UG/L	Grab	January thru December
Beta BHC	Effluent Gross Value	REPORT RQL = 0.04	UG/L	Grab	January thru December
Gamma BHC (lindane),	Effluent Gross Value	REPORT RQL = 0.03	UG/L	Grab	January thru December
Chlordane	Effluent Gross Value	REPORT RQL = 0.2	UG/L	Grab	January thru December
Dieldrin	Effluent Gross Value	REPORT RQL = 0.03	UG/L	Grab	January thru December
Endosulfans, Total (alpha and beta)	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Endrin	Effluent Gross Value	REPORT RQL = 0.04	UG/L	Grab	January thru December
Toxaphene	Effluent Gross Value	REPORT RQL = 1	UG/L	Grab	January thru December
Heptachlor	Effluent Gross Value	REPORT RQL = 0.02	UG/L	Grab	January thru December
Heptachlor Epoxide	Effluent Gross Value	REPORT RQL = 0.4	UG/L	Grab	January thru December
Chlorpyrifos	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
2-Chlorophenol	Effluent Gross Value	REPORT RQL = 20	UG/L	Grab	January thru December

Surface Water WCR - Semi Annual Reporting Requirements:

Submit a Semi-Annual WCR: within twenty-five days after the end of every 6 month monitoring period beginning from the effective date of the permit (EDP).

Comments:

Grab sampling shall be conducted during dry weather.

Table III - A - 2: Surface Water WCR - Semi Annual Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
2-Nitrophenol	Effluent Gross Value	REPORT RQL = 18	UG/L	Grab	January thru December
2,4-Dichlorophenol	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December
2,4-Dimethylphenol	Effluent Gross Value	REPORT RQL = 13.5	UG/L	Grab	January thru December
2,4-Dinitrophenol	Effluent Gross Value	REPORT RQL = 40	UG/L	Grab	January thru December
2,4,6-Trichloro-phenol	Effluent Gross Value	REPORT RQL = 20	UG/L	Grab	January thru December
4-Chlorophenyl phenyl ether	Effluent Gross Value	REPORT RQL = 21	UG/L	Grab	January thru December
4-Nitrophenol	Effluent Gross Value	REPORT RQL = 12	UG/L	Grab	January thru December
4,6-Dinitro-o-cresol	Effluent Gross Value	REPORT RQL = 60	UG/L	Grab	January thru December
Phenol Single Compound	Effluent Gross Value	REPORT RQL = 10	UG/L	Grab	January thru December
Pentachlorophenol	Effluent Gross Value	REPORT RQL = 30	UG/L	Grab	January thru December
Pentachlorobenzene	Effluent Gross Value	REPORT	UG/L	Grab	January thru December
Guthion	Effluent Gross Value	REPORT	UG/L	Grab	January thru December

MONITORED LOCATION:

001A SW Outfall DSN 001A

RECEIVING STREAM:

Morses Creek

STREAM CLASSIFICATION:

SE3(C2)

DISCHARGE CATEGORY(IES):

B - Industrial Wastewater

Location Description

Sampling for parameters shall be performed at the overflow from Dam #1 to Lower Morses Creek at Lat. = 40d 38' 03.3" and Long. = 74d 12' 20.8".

Contributing Waste Types

Condensate, Cooling tower blowdown, Groundwater Remediation, Non-contact Cooling Water, Process Water, Storm Water Runoff, Unprocessed water

Surface Water DMR Reporting Requirements:

Submit a Monthly DMR: Within twenty-five days after the end of every month beginning from the effective date of the permit (EDP)..

Comments:

Oil & Grease can be analyzed by EPA Method 1664A or equivalent method. The permittee shall report the results under the Oil & Grease.

Net values are based on effluent gross value minus cooling water intake load and stormwater derived loading as monitored past Dam #2.

Table III - B - 1: Surface Water DMR Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Flow, In Conduit or Thru Treatment Plant	Effluent Gross Value	REPORT Monthly Average	REPORT Daily Maximum	MGD	*****	*****	*****	*****	Continuous	Metered
January thru December	QL	***	***		***	***	***			
Flow, In Conduit or Thru Treatment Plant	Intake From Stream	REPORT Monthly Average	REPORT Daily Maximum	MGD	*****	*****	*****	*****	Continuous	Calculated
January thru December	QL	***	***		***	***	***			
pH	Effluent Gross Value	*****	*****	*****	6.0 Monthly Minimum	*****	9.0 Monthly Maximum	SU	1/Week	Grab
January thru December	QL	***	***		***	***	***			
Solids, Total Suspended	Intake	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Week	24 Hour Composite
January thru December	QL	***	***		***	***	***			

Surface Water DMR Reporting Requirements:

Submit a Monthly DMR: Within twenty-five days after the end of every month beginning from the effective date of the permit (EDP)..

Comments:

Oil & Grease can be analyzed by EPA Method 1664A or equivalent method. The permittee shall report the results under the Oil & Grease.

Net values are based on effluent gross value minus cooling water intake load and stormwater derived loading as monitored past Dam #2.

Table III - B - 1: Surface Water DMR Limits and Monitoring Requirements**PHASE:**Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Solids, Total Suspended	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Week	24 Hour Composite
January thru December	QL	***	***		***	***	***			
Solids, Total Suspended	Effluent Net Value	*****	*****	*****	*****	30 Monthly Average	50 Daily Maximum	MG/L	1/Week	Calculated
January thru December	QL	***	***		***	***	***			
Oil and Grease	Intake	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	3/Week	Grab
January thru December	QL	***	***		***	***	***			
Oil and Grease	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	3/Week	Grab
January thru December	QL	***	***		***	***	***			
Oil and Grease	Effluent Net Value	REPORT Monthly Average	2260 Daily Maximum	KG/DAY	*****	10 Monthly Average	15 Daily Maximum	MG/L	3/Week	Calculated
January thru December	QL	***	***		***	***	***			
LC50 Statre 96hr Acu Mysid Bahia	Effluent Gross Value	*****	*****	*****	REPORT Report Per Minimum	*****	*****	%EFFL	1/Quarter	Composite
January thru December	AL	***	***		50	***	***			
Chlorine Produced Oxidants	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	0.2 Daily Maximum	MG/L	3/Week	Grab
January thru December	MDL	***	***		***	0.1	0.1			

Surface Water DMR Reporting Requirements:

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Comments:

Oil & Grease can be analyzed by EPA Method 1664A or equivalent method. The permittee shall report the results under the Oil & Grease.

Net values are based on effluent gross value minus cooling water intake load and stormwater derived loading as monitored past Dam #2.

Table III - B - 1: Surface Water DMR Limits and Monitoring Requirements**PHASE:**Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Temperature, oC	Intake	*****	*****	*****	*****	REPORT Monthly Average	REPORT Daily Maximum	DEG.C	Continuous	Metered
January thru December	QL	***	***		***	***	***			
Temperature, oC	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	35 Daily Maximum	DEG.C	Continuous	Metered
January thru December	QL	***	***		***	***	***			
Carbon, Tot Organic (TOC)	Intake	REPORT Monthly Average	REPORT Daily Maximum	KG/DAY	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	3/Week	24 Hour Composite
January thru December	QL	***	***		***	***	***			
Carbon, Tot Organic (TOC)	Effluent Gross Value	REPORT Monthly Average	REPORT Daily Maximum	KG/DAY	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	3/Week	24 Hour Composite
January thru December	QL	***	***		***	***	***			
Carbon, Tot Organic (TOC)	Effluent Net Value	REPORT Monthly Average	6241 Daily Maximum	KG/DAY	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	3/Week	Calculated
January thru December	QL	***	***		***	***	***			
Net Rate of Addition of Heat	Effluent Gross Value	REPORT Monthly Average	2300 Daily Maximum	MBTU/HR	*****	*****	*****	*****	Continuous	Calculated
January thru December	QL	***	***		***	***	***			
Temp. Diff. between Intake and Discharge	Effluent Net Value	*****	*****	*****	*****	REPORT Monthly Average	15 Daily Maximum	DEG.C	Continuous	Calculated
January thru December	QL	***	***		***	***	***			

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Comments:

Oil & Grease can be analyzed by EPA Method 1664A or equivalent method. The permittee shall report the results under the Oil & Grease.

Net values are based on effluent gross value minus cooling water intake load and stormwater derived loading as monitored past Dam #2.

Table III - B - 1: Surface Water DMR Limits and Monitoring Requirements**PHASE:**Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
1,2-Dichlorobenzene	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	0.05 Daily Maximum	MG/L	1/Quarter	Grab
January thru December	RQL	***	***		***	0.009	0.009			
1,4-Dichlorobenzene	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	0.05 Daily Maximum	MG/L	1/Quarter	Grab
January thru December	RQL	***	***		***	0.02	0.02			
Toluene	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	0.05 Daily Maximum	MG/L	1/Month	Grab
January thru December	QL	***	***		***	***	***			
Benzene	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	0.05 Daily Maximum	MG/L	1/Month	Grab
January thru December	RQL	***	***		***	0.007	0.007			
Ethylbenzene	Effluent Gross Value	*****	*****	*****	*****	REPORT Monthly Average	0.05 Daily Maximum	MG/L	1/Month	Grab
January thru December	RQL	***	***		***	0.006	0.006			

MONITORED LOCATION:

002A SW Outfall DSN 002A

RECEIVING STREAM:

Morses Creek

STREAM CLASSIFICATION:

SE3(C2)

DISCHARGE CATEGORY(IES):

B - Industrial Wastewater

Location Description

Sampling shall be performed after the last treatment step at the Parshall Flume before the final discharge into Morses Creek at DSN 002A. The final discharge location of DSN 002A into Morses Creek is located at Lat. = 40d 37' 45.3" and Long. = 74d 13' 31.4".

Contributing Waste Types

Groundwater Remediation, OCPSF process waste, Petro Ref ELG process H2O, Process Water, Storm Water Runoff

Surface Water DMR Reporting Requirements:

Submit a Monthly DMR: Within twenty-five days after the end of every month beginning from the effective date of the permit (EDP)..

Table III - C - 1: Surface Water DMR Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Flow, In Conduit or Thru Treatment Plant	Precipitation	REPORT Monthly Average	REPORT Daily Maximum	MGD	*****	*****	*****	*****	1/Day	Calculated
January thru December	QL	***	***		***	***	***			
Flow, In Conduit or Thru Treatment Plant	Effluent Gross Value	REPORT Monthly Average	REPORT Daily Maximum	MGD	*****	*****	*****	*****	Continuous	Metered
January thru December	QL	***	***		***	***	***			
BOD, 5-Day (20 oC)	Effluent Gross Value	REPORT Monthly Average	REPORT Daily Maximum	KG/DAY	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Week	24 Hour Composite
January thru December	QL	***	***		***	***	***			
BOD, 5-Day (20 oC)	Effl. Adjusted Value	1085 Monthly Average	2088 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Week	Calculated
January thru December	QL	***	***		***	***	***			

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Table III - C - 1: Surface Water DMR Limits and Monitoring Requirements**PHASE:**Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
BOD, 5-Day (20 oC)	Calculated Adjust.	REPORT Monthly Average	REPORT Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Week	Calculated
January thru December	QL	***	***		***	***	***			
pH	Effluent Gross Value	*****	*****	*****	6.0 Monthly Minimum	*****	9.0 Monthly Maximum	SU	1/Week	Grab
January thru December	QL	***	***		***	***	***			
Solids, Total Suspended	Effluent Gross Value	REPORT Monthly Average	REPORT Daily Maximum	KG/DAY	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Week	24 Hour Composite
January thru December	QL	***	***		***	***	***			
Solids, Total Suspended	Effl. Adjusted Value	954 Monthly Average	1843 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Week	Calculated
January thru December	QL	***	***		***	***	***			
Solids, Total Suspended	Calculated Adjust.	REPORT Monthly Average	REPORT Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Week	Calculated
January thru December	QL	***	***		***	***	***			
Oil and Grease	Effluent Gross Value	REPORT Monthly Average	REPORT Daily Maximum	KG/DAY	*****	10 Monthly Average	15 Daily Maximum	MG/L	3/Week	Grab
January thru December	QL	***	***		***	***	***			
Oil and Grease	Effl. Adjusted Value	298 Monthly Average	558 Daily Maximum	KG/DAY	*****	*****	*****	*****	3/Week	Calculated
January thru December	QL	***	***		***	***	***			

Surface Water DMR Reporting Requirements:

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Table III - C - 1: Surface Water DMR Limits and Monitoring Requirements**PHASE:**Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Oil and Grease	Calculated Adjust.	REPORT Monthly Average	REPORT Daily Maximum	KG/DAY	*****	*****	*****	*****	3/Week	Calculated
January thru December	QL	***	***		***	***	***			
Nitrogen, Ammonia Total (as N)	Effluent Gross Value	525 Monthly Average	1155 Daily Maximum	KG/DAY	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Week	24 Hour Composite
January thru December	QL	***	***		***	***	***			
LC50 Statre 96hr Acu Mysid Bahia	Effluent Gross Value	*****	*****	*****	REPORT Report Per Minimum	*****	*****	%EFFL	1/Quarter	Composite
January thru December	AL	***	***		50	***	***			
Carbon, Tot Organic (TOC)	Effluent Gross Value	REPORT Monthly Average	REPORT Daily Maximum	KG/DAY	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	3/Week	24 Hour Composite
January thru December	QL	***	***		***	***	***			
Carbon, Tot Organic (TOC)	Effl. Adjusted Value	2388 Monthly Average	4597 Daily Maximum	KG/DAY	*****	*****	*****	*****	3/Week	Calculated
January thru December	QL	***	***		***	***	***			
Carbon, Tot Organic (TOC)	Calculated Adjust.	REPORT Monthly Average	REPORT Daily Maximum	KG/DAY	*****	*****	*****	*****	3/Week	Calculated
January thru December	QL	***	***		***	***	***			
Sulfide, Total (as S)	Effluent Gross Value	4.9 Monthly Average	11 Daily Maximum	KG/DAY	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Week	24 Hour Composite
January thru December	QL	***	***		***	***	***			

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Table III - C - 1: Surface Water DMR Limits and Monitoring Requirements**PHASE:**Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Phenolics, Total Recoverable	Effluent Gross Value	REPORT Monthly Average	REPORT Daily Maximum	KG/DAY	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Week	24 Hour Composite
January thru December	QL	***	***		***	***	***			
Phenolics, Total Recoverable	Effl. Adjusted Value	7.6 Monthly Average	16 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Week	Calculated
January thru December	QL	***	***		***	***	***			
Phenolics, Total Recoverable	Calculated Adjust.	REPORT Monthly Average	REPORT Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Week	Calculated
January thru December	QL	***	***		***	***	***			
Cyanide, Total (as CN)	Effluent Gross Value	6.8 Monthly Average	10.0 Daily Maximum	KG/DAY	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Month	24 Hour Composite
January thru December	RQL	1.74	1.74		***	0.04	0.04			
Chromium, Hexavalent (as Cr)	Effluent Gross Value	REPORT Monthly Average	REPORT Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Month	24 Hour Composite
January thru December	QL	***	***		***	***	***			
Chromium, Hexavalent (as Cr)	Effl. Adjusted Value	0.7 Monthly Average	1.4 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Month	Calculated
January thru December	QL	***	***		***	***	***			
Chromium, Hexavalent (as Cr)	Calculated Adjust.	REPORT Monthly Average	REPORT Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Month	Calculated
January thru December	QL	***	***		***	***	***			

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Table III - C - 1: Surface Water DMR Limits and Monitoring Requirements**PHASE:**Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Chromium, Total (as Cr)	Effluent Gross Value	REPORT Monthly Average	REPORT Daily Maximum	KG/DAY	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Month	24 Hour Composite
January thru December	RQL	0.44	0.44		***	0.01	0.01			
Chromium, Total (as Cr)	Effl. Adjusted Value	11.9 Monthly Average	32.6 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Month	Calculated
January thru December	RQL	0.44	0.44		***	***	***			
Chromium, Total (as Cr)	Calculated Adjust.	REPORT Monthly Average	REPORT Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Month	Calculated
January thru December	RQL	0.44	0.44		***	***	***			
Copper, Total (as Cu)	Effluent Gross Value	6.8 Monthly Average	14.7 Daily Maximum	KG/DAY	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Month	24 Hour Composite
January thru December	RQL	0.44	0.44		***	0.01	0.01			
Lead, Total (as Pb)	Effluent Gross Value	5.8 Monthly Average	7.3 Daily Maximum	KG/DAY	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Month	24 Hour Composite
January thru December	RQL	0.44	0.44		***	0.01	0.01			
Nickel, Total (as Ni)	Effluent Gross Value	17.1 Monthly Average	26.4 Daily Maximum	KG/DAY	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Month	24 Hour Composite
January thru December	RQL	0.44	0.44		***	0.01	0.01			
Zinc, Total (as Zn)	Effluent Gross Value	6.5 Monthly Average	12.9 Daily Maximum	KG/DAY	*****	REPORT Monthly Average	REPORT Daily Maximum	MG/L	1/Month	24 Hour Composite
January thru December	RQL	1.31	1.31		***	0.03	0.03			

Surface Water DMR Reporting Requirements:

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Table III - C - 1: Surface Water DMR Limits and Monitoring Requirements**PHASE:**Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Acenaphthylene	Effluent Gross Value	1.0 Monthly Average	2.6 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
January thru December	RQL	0.44	0.44		***	***	***			
Acenaphthene	Effluent Gross Value	1.0 Monthly Average	2.6 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
January thru December	RQL	0.41	0.41		***	***	***			
Anthracene	Effluent Gross Value	1.0 Monthly Average	2.6 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
January thru December	RQL	0.44	0.44		***	***	***			
Benzo(k)fluoranthene	Effluent Gross Value	1.0 Monthly Average	2.6 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
January thru December	RQL	0.87	0.87		***	***	***			
Benzo(a)pyrene	Effluent Gross Value	1.0 Monthly Average	2.7 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
January thru December	RQL	0.87	0.87		***	***	***			
Chrysene	Effluent Gross Value	1.0 Monthly Average	2.6 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
January thru December	RQL	0.87	0.87		***	***	***			
Diethyl phthalate	Effluent Gross Value	3.5 Monthly Average	8.8 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
January thru December	RQL	0.44	0.44		***	***	***			

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Table III - C - 1: Surface Water DMR Limits and Monitoring Requirements**PHASE:**Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Dimethyl phthalate	Effluent Gross Value	0.8 Monthly Average	2.0 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
	January thru December	RQL	0.44		***	***	***			
Fluoranthene	Effluent Gross Value	1.1 Monthly Average	3.0 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
	January thru December	RQL	0.44		***	***	***			
Fluorene	Effluent Gross Value	1.0 Monthly Average	2.6 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
	January thru December	RQL	0.44		***	***	***			
Hexachloroethane	Effluent Gross Value	0.9 Monthly Average	2.4 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
	January thru December	RQL	0.44		***	***	***			
Nitrobenzene	Effluent Gross Value	1.2 Monthly Average	3.0 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
	January thru December	RQL	0.44		***	***	***			
Phenanthrene	Effluent Gross Value	1.0 Monthly Average	2.6 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
	January thru December	RQL	0.44		***	***	***			
Pyrene	Effluent Gross Value	1.1 Monthly Average	2.9 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
	January thru December	RQL	0.87		***	***	***			

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Table III - C - 1: Surface Water DMR Limits and Monitoring Requirements**PHASE:**Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Benzo(a)anthracene January thru December	Effluent Gross Value	1.0 Monthly Average	2.6 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
	RQL	0.44	0.44		***	***	***			
1,2-Dichlorobenzene January thru December	Effluent Gross Value	3.4 Monthly Average	7.1 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	Grab
	RQL	0.39	0.39		***	***	***			
1,2,4-Trichloro- benzene January thru December	Effluent Gross Value	3.0 Monthly Average	6.1 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
	RQL	0.44	0.44		***	***	***			
1,3-Dichlorobenzene January thru December	Effluent Gross Value	1.3 Monthly Average	1.9 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	Grab
	RQL	0.39	0.39		***	***	***			
1,4-Dichlorobenzene January thru December	Effluent Gross Value	0.7 Monthly Average	1.2 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	Grab
	RQL	0.87	0.87		***	***	***			
2,4-Dinitrotoluene January thru December	Effluent Gross Value	4.9 Monthly Average	12.4 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
	RQL	0.44	0.44		***	***	***			
2,6-Dinitrotoluene January thru December	Effluent Gross Value	11.1 Monthly Average	27.9 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
	RQL	0.41	0.41		***	***	***			

Surface Water DMR Reporting Requirements:

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Table III - C - 1: Surface Water DMR Limits and Monitoring Requirements**PHASE:**Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Naphthalene	Effluent Gross Value	1.0 Monthly Average	2.6 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
January thru December	RQL	0.35	0.35		***	***	***			
Bis(2-ethylhexyl) phthalate	Effluent Gross Value	4.5 Monthly Average	12.1 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
January thru December	RQL	1.31	1.31		***	***	***			
Di-n-butyl phthalate	Effluent Gross Value	1.2 Monthly Average	2.5 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
January thru December	RQL	0.87	0.87		***	***	***			
Hexachlorobenzene	Effluent Gross Value	0.7 Monthly Average	1.2 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
January thru December	RQL	0.44	0.44		***	***	***			
Hexachlorobutadiene	Effluent Gross Value	0.9 Monthly Average	2.1 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
January thru December	RQL	0.44	0.44		***	***	***			
1,3-Dichloropropene	Effluent Gross Value	1.3 Monthly Average	1.9 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	Grab
January thru December	RQL	0.30	0.30		***	***	***			
3,4 Benzo-fluoranthene	Effluent Gross Value	1.0 Monthly Average	2.7 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
January thru December	QL	***	***		***	***	***			

Surface Water DMR Reporting Requirements:

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Table III - C - 1: Surface Water DMR Limits and Monitoring Requirements

PHASE: Final

PHASE Start Date: 10/01/2013

PHASE End Date:

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Carbon Tetrachloride	Effluent Gross Value	0.8 Monthly Average	1.7 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	Grab
	January thru December	RQL	0.26		***	***	***			
1,2-Dichloroethane	Effluent Gross Value	3.0 Monthly Average	9.2 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	Grab
	January thru December	RQL	0.13		***	***	***			
Chloroform	Effluent Gross Value	0.9 Monthly Average	2.0 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	Grab
	January thru December	RQL	0.22		***	***	***			
Toluene	Effluent Gross Value	1.1 Monthly Average	3.5 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	Grab
	January thru December	RQL	0.26		***	***	***			
Benzene	Effluent Gross Value	1.6 Monthly Average	5.9 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	Grab
	January thru December	RQL	0.30		***	***	***			
Acrylonitrile	Effluent Gross Value	4.2 Monthly Average	10.5 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	Grab
	January thru December	RQL	2.18		***	***	***			
Chlorobenzene	Effluent Gross Value	0.7 Monthly Average	1.2 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	Grab
	January thru December	RQL	0.26		***	***	***			

Surface Water DMR Reporting Requirements:

Submit a Monthly DMR: Within twenty-five days after the end of every month beginning from the effective date of the permit (EDP)..

Table III - C - 1: Surface Water DMR Limits and Monitoring Requirements**PHASE:**Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Ethylbenzene	Effluent Gross Value	1.4 Monthly Average	4.7 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	Grab
January thru December	RQL	0.26	0.26		***	***	***			
Methyl Chloride	Effluent Gross Value	3.7 Monthly Average	8.3 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	Grab
January thru December	RQL	0.44	0.44		***	***	***			
Methylene Chloride	Effluent Gross Value	1.7 Monthly Average	3.9 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	Grab
January thru December	RQL	0.26	0.26		***	***	***			
Tetrachloroethylene	Effluent Gross Value	1.0 Monthly Average	2.4 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	Grab
January thru December	RQL	0.39	0.39		***	***	***			
1,1-Dichloroethane	Effluent Gross Value	1.0 Monthly Average	2.6 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	Grab
January thru December	RQL	1.02	1.02		***	***	***			
1,1-Dichloroethylene	Effluent Gross Value	0.7 Monthly Average	1.1 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	Grab
January thru December	RQL	0.26	0.26		***	***	***			
1,1,1-Trichloro-ethane	Effluent Gross Value	0.9 Monthly Average	2.4 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	Grab
January thru December	RQL	0.26	0.26		***	***	***			

Surface Water DMR Reporting Requirements:

Submit a Monthly DMR: Within twenty-five days after the end of every month beginning from the effective date of the permit (EDP)..

Table III - C - 1: Surface Water DMR Limits and Monitoring Requirements**PHASE:**Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
1,1,2-Trichloro-ethane	Effluent Gross Value	0.9 Monthly Average	2.4 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	Grab
January thru December	RQL	0.26	0.26		***	***	***			
1,2-Dichloropropane	Effluent Gross Value	6.7 Monthly Average	10 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	Grab
January thru December	RQL	0.22	0.22		***	***	***			
1,2-trans-Dichloro-ethylene	Effluent Gross Value	0.9 Monthly Average	2.4 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	Grab
January thru December	RQL	0.17	0.17		***	***	***			
Vinyl Chloride	Effluent Gross Value	4.5 Monthly Average	11.7 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	Grab
January thru December	RQL	0.44	0.44		***	***	***			
Trichloroethylene	Effluent Gross Value	0.9 Monthly Average	2.4 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	Grab
January thru December	RQL	0.22	0.22		***	***	***			
Chloroethane	Effluent Gross Value	4.5 Monthly Average	11.7 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	Grab
January thru December	QL	***	***		***	***	***			
2-Chlorophenol	Effluent Gross Value	1.3 Monthly Average	4.3 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
January thru December	RQL	0.87	0.87		***	***	***			

Surface Water DMR Reporting Requirements:

Submit a Monthly DMR: Within twenty-five days after the end of every month beginning from the effective date of the permit (EDP)..

Table III - C - 1: Surface Water DMR Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
2-Nitrophenol	Effluent Gross Value	1.8 Monthly Average	3.0 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
January thru December	RQL	0.78	0.78		***	***	***			
2,4-Dichlorophenol	Effluent Gross Value	1.7 Monthly Average	4.9 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
January thru December	RQL	0.44	0.44		***	***	***			
2,4-Dimethylphenol	Effluent Gross Value	0.8 Monthly Average	1.6 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
January thru December	RQL	0.59	0.59		***	***	***			
2,4-Dinitrophenol	Effluent Gross Value	3.1 Monthly Average	5.4 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
January thru December	RQL	1.74	1.74		***	***	***			
4-Nitrophenol	Effluent Gross Value	3.1 Monthly Average	5.4 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
January thru December	RQL	0.52	0.52		***	***	***			
4,6-Dinitro-o-cresol	Effluent Gross Value	3.4 Monthly Average	12.1 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
January thru December	RQL	2.61	2.61		***	***	***			

Surface Water DMR Reporting Requirements:

Submit a Monthly DMR: Within twenty-five days after the end of every month beginning from the effective date of the permit (EDP)..

Table III - C - 1: Surface Water DMR Limits and Monitoring Requirements**PHASE:**Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Phenol Single Compound	Effluent Gross Value	0.7 Monthly Average	1.1 Daily Maximum	KG/DAY	*****	*****	*****	*****	1/Quarter	24 Hour Composite
January thru December	RQL	0.44	0.44		***	***	***			

MONITORED LOCATION:

SI8A SQAR-Filter Press

DISCHARGE CATEGORY(IES):

B - Industrial Wastewater

Location Description

Once every two calendar months a sludge sample shall be collected at the plate and frame filter press and analyzed pursuant to the Sludge Quality Assurance Regulations (SQAR, N.J.A.C. 7:14C).

Contributing Waste Types

Ind Residual-Other

Residuals DMR Reporting Requirements:

Submit a Bi-Monthly DMR: due 60 calendar days after the end of each calendar bi-monthly period.

Comments:

The permittee can use alternative sludge processing methods as long as the sample is collected after the last step of the sludge treatment process prior to loading for offsite transport.

Table III - D - 1: Residuals DMR Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Solids, Total	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	%TS	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Potassium Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Calcium Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Magnesium Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			

Residuals DMR Reporting Requirements:

Submit a Bi-Monthly DMR: due 60 calendar days after the end of each calendar bi-monthly period.

Comments:

The permittee can use alternative sludge processing methods as long as the sample is collected after the last step of the sludge treatment process prior to loading for offsite transport.

Table III - D - 1: Residuals DMR Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Barium, Total (as Ba)	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Boron, Total (as B)	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Manganese, Total (as Mn)	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Vanadium, Total (as V)	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Titanium, Total (as Ti)	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Molybdenum Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Phosphorus Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			

Residuals DMR Reporting Requirements:

Submit a Bi-Monthly DMR: due 60 calendar days after the end of each calendar bi-monthly period.

Comments:

The permittee can use alternative sludge processing methods as long as the sample is collected after the last step of the sludge treatment process prior to loading for offsite transport.

Table III - D - 1: Residuals DMR Limits and Monitoring Requirements**PHASE:**Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Arsenic, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Cobalt, Total (as Co)	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Silver, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Strontium, Total (as Sr)	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Antimony, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Tin, Total (as Sn)	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Aluminum, Total (as Al)	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			

Residuals DMR Reporting Requirements:

Submit a Bi-Monthly DMR: due 60 calendar days after the end of each calendar bi-monthly period.

Comments:

The permittee can use alternative sludge processing methods as long as the sample is collected after the last step of the sludge treatment process prior to loading for offsite transport.

Table III - D - 1: Residuals DMR Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Selenium, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Thallium, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Copper, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Beryllium Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Cadmium, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Zinc, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Lead, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			

Residuals DMR Reporting Requirements:

Submit a Bi-Monthly DMR: due 60 calendar days after the end of each calendar bi-monthly period.

Comments:

The permittee can use alternative sludge processing methods as long as the sample is collected after the last step of the sludge treatment process prior to loading for offsite transport.

Table III - D - 1: Residuals DMR Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Nickel, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Mercury, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Chromium, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Iron, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Acenaphthylene, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Acenaphthene, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Anthracene Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			

Residuals DMR Reporting Requirements:

Submit a Bi-Monthly DMR: due 60 calendar days after the end of each calendar bi-monthly period.

Comments:

The permittee can use alternative sludge processing methods as long as the sample is collected after the last step of the sludge treatment process prior to loading for offsite transport.

Table III - D - 1: Residuals DMR Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Benzene, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Benzo(k)fluoranthene Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Benzo(a)pyrene, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Bis(2-chloroethyl) ether, Dry Wt	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Bis(2-chloroethoxy)- methane, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Bis(2-chloroiso- propyl)-ether, Dry Wt	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Butyl benzyl- phthalate, Dry Wt	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			

Residuals DMR Reporting Requirements:

Submit a Bi-Monthly DMR: due 60 calendar days after the end of each calendar bi-monthly period.

Comments:

The permittee can use alternative sludge processing methods as long as the sample is collected after the last step of the sludge treatment process prior to loading for offsite transport.

Table III - D - 1: Residuals DMR Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Chrysene Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Diethyl phthalate, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Dimethyl phthalate, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
1,2-Diphenyl- hydrazine, Dry Wt	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Fluoranthene Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Fluorene, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Hexachlorocyclo- pentadiene, Dry Wt	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			

Residuals DMR Reporting Requirements:

Submit a Bi-Monthly DMR: due 60 calendar days after the end of each calendar bi-monthly period.

Comments:

The permittee can use alternative sludge processing methods as long as the sample is collected after the last step of the sludge treatment process prior to loading for offsite transport.

Table III - D - 1: Residuals DMR Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Hexachloroethane, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Indeno(1,2,3-cd)- pyrene, Dry Wt	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
N-nitrosodi-n- propylamine, Dry Wt	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
N-nitrosodi- phenylamine, Dry Wt	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
N-nitrosodi- methylamine, Dry Wt	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Naphthalene Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Nitrobenzene Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			

Residuals DMR Reporting Requirements:

Submit a Bi-Monthly DMR: due 60 calendar days after the end of each calendar bi-monthly period.

Comments:

The permittee can use alternative sludge processing methods as long as the sample is collected after the last step of the sludge treatment process prior to loading for offsite transport.

Table III - D - 1: Residuals DMR Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Phenanthrene Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Pyrene, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Benzo(ghi)perylene, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Benzo(a)anthracene, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
1,2-Dichlorobenzene, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
1,2,4-Trichloro- benzene, Dry Wt	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Dibenzo(a,h) anthracene, Dry Wt	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			

Residuals DMR Reporting Requirements:

Submit a Bi-Monthly DMR: due 60 calendar days after the end of each calendar bi-monthly period.

Comments:

The permittee can use alternative sludge processing methods as long as the sample is collected after the last step of the sludge treatment process prior to loading for offsite transport.

Table III - D - 1: Residuals DMR Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
1,3-Dichlorobenzene, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
1,4-Dichlorobenzene, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
2-Chloronaphthalene, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Di-n-octyl Phthalate Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
2,4-Dinitrotoluene, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
2,6-Dinitrotoluene, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
3,3'-Dichloro- benzidine, Dry Wt	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			

Residuals DMR Reporting Requirements:

Submit a Bi-Monthly DMR: due 60 calendar days after the end of each calendar bi-monthly period.

Comments:

The permittee can use alternative sludge processing methods as long as the sample is collected after the last step of the sludge treatment process prior to loading for offsite transport.

Table III - D - 1: Residuals DMR Limits and Monitoring Requirements**PHASE:**Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
4-Bromophenyl phenyl ether, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Bis(2-ethylhexyl) phthalate, Dry Wt	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Di-n-butyl phthalate Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Benzidine Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Hexachlorobenzene, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Hexachlorobutadiene, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
3,4 Benzo-fluoranthene	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			

Residuals DMR Reporting Requirements:

Submit a Bi-Monthly DMR: due 60 calendar days after the end of each calendar bi-monthly period.

Comments:

The permittee can use alternative sludge processing methods as long as the sample is collected after the last step of the sludge treatment process prior to loading for offsite transport.

Table III - D - 1: Residuals DMR Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Limit	Limit	Units	Limit	Limit	Limit	Units	Frequency	Sample Type
Ethylbenzene Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Toluene, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Xylene, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Cyanide, Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
Isophorone Dry Weight	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			
4-Chlorophenyl phenyl ether, Dry Wt	Industrial Residuals	*****	*****	*****	*****	REPORT Monthly Average	*****	MG/KG	1/2 Months	Composite
January thru December	QL	***	***		***	***	***			

Residuals WCR - Annual Reporting Requirements:

Submit an Annual WCR: due 60 calendar days after the end of each calendar year.

Comments:

The frequency of reporting for the Residuals Waste Characterization Report changes from monthly to annually at the beginning of the calendar year after the effective date of the permit.

Table III - D - 3: Residuals WCR - Annual Limits and Monitoring Requirements

PHASE: Final PHASE Start Date: 10/01/2013 PHASE End Date:

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Amt Sludge Rmvd, Wet Cubic Yards	Industrial Residuals	REPORT	WCY/YR	Calculated	January thru December
Amt Sludge Rmvd, Wet Metric Tons	Industrial Residuals	REPORT	WMT/YR	Calculated	January thru December
Amt Sludge Rmvd, Gallons	Industrial Residuals	REPORT	GAL/YEAR	Calculated	January thru December
Total Amount of Sludge Removed	Industrial Residuals	REPORT	DMT/YR	Calculated	January thru December
Solids, Total	Industrial Residuals	REPORT	%TS	Composite	January thru December

Residuals WCR - Monthly Reporting Requirements:

Submit a Monthly WCR: due 60 calendar days after the end of each calendar month.

Comments:

The frequency of reporting for the Residuals Waste Characterization Report changes from monthly to annually at the beginning of the calendar year after the effective date of the permit.

Table III - D - 4: Residuals WCR - Monthly Limits and Monitoring Requirements

PHASE: Final PHASE Start Date: 10/01/2013 PHASE End Date:

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Sludge Landfilled	Industrial Residuals	REPORT	DMT/MO	Calculated	January thru December

Residuals WCR - Monthly Reporting Requirements:

Submit a Monthly WCR: due 60 calendar days after the end of each calendar month.

Comments:

The frequency of reporting for the Residuals Waste Characterization Report changes from monthly to annually at the beginning of the calendar year after the effective date of the permit.

Table III - D - 4: Residuals WCR - Monthly Limits and Monitoring Requirements**PHASE:** Final**PHASE Start Date:** 10/01/2013**PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Sludge Land Applied	Industrial Residuals	REPORT	DMT/MO	Calculated	January thru December
Sludge Disposed Out-of-State	Industrial Residuals	REPORT	DMT/MO	Calculated	January thru December
Amt Sludge Rmvd, Wet Cubic Yards	Industrial Residuals	REPORT	WCY/MO	Calculated	January thru December
Amt Sludge Rmvd, Wet Metric Tons	Industrial Residuals	REPORT	WMT/MO	Calculated	January thru December
Amt Sludge Rmvd, Gallons	Industrial Residuals	REPORT	GAL/MON	Calculated	January thru December
Sludge Bene Use Out-of-State	Industrial Residuals	REPORT	DMT/MO	Calculated	January thru December
Sludge Surface Disposed	Industrial Residuals	REPORT	DMT/MO	Calculated	January thru December
Total Amount of Sludge Removed	Industrial Residuals	REPORT	DMT/MO	Calculated	January thru December
Sludge Incinerated	Industrial Residuals	REPORT	DMT/MO	Calculated	January thru December
Sludge Disposed- Other Methods	Industrial Residuals	REPORT	DMT/MO	Calculated	January thru December
Sludge/Septage Rcvd Offsite Srces Wet MT	Industrial Residuals	REPORT	WMT/MO	Calculated	January thru December
Sludge/Septage Rcvd Offsite Srces Gals	Industrial Residuals	REPORT	GAL/MON	Calculated	January thru December
Sludge/Septage Rcvd Offsite Srces Wt Yd3	Industrial Residuals	REPORT	WCY/MO	Calculated	January thru December

Residuals WCR - Monthly Reporting Requirements:
Submit a Monthly WCR: due 60 calendar days after the end of each calendar month.

Comments:
The frequency of reporting for the Residuals Waste Characterization Report changes from monthly to annually at the beginning of the calendar year after the effective date of the permit.

Table III - D - 4: Residuals WCR - Monthly Limits and Monitoring Requirements

PHASE:Final **PHASE Start Date:** 10/01/2013 **PHASE End Date:**

Parameter	Sample Point	Compliance Quantity	Units	Sample Type	Monitoring Period
Solids, Total	Industrial Residuals	REPORT	%TS	Composite	January thru December

Residuals Transfer Reporting Requirements:

Submit a Monthly RTR: due 60 calendar days after the end of each calendar month.